This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims:</u>

1.   (Currently Amended) A method comprising:

receiving at a gateway first transmissions via from a digital broadcast network by means of a gateway terminal,

processing the first transmissions by means of the at the gateway terminal resulting in a wireless digitally modulated local broadband second transmission, including de-multiplexing a data stream of each of the first transmissions, and re-multiplexing at least a part of the data stream of the first transmissions with data stored locally at the gateway,

re-transmitting from the gateway the received first transmissions as the wireless digitally modulated local broadband second transmission to a multimedia terminal.

2.   (Canceled).

3.   (Currently Amended) A method according to claim 2 1, wherein the locally stored data is one of MP3 music, multimedia messages, multimedia album, picture, album, movies.

4.   (Currently Amended) A method according to claim 2 1, further comprising receiving a request for the locally stored data via a wireless connection from the multimedia terminal.

5.   (Currently Amended) A method according to claim 1, wherein the step of processing further comprises scrambling the data stream of the first transmissions resulting in said wirelessly digitally modulated local broadcast broadband second transmission, for descrambling by the multimedia terminal.

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6.   (Currently Amended) A method according to claim 5, further comprising before
the scrambling, de-scrambling the data stream of the first transmissions.

7.   (Currently Amended) A method according to claim 56, wherein the data stream is
de-scrambled using a password.

8.   (Original) A method according to claim 7, wherein the password is given by a
remote controller.

9.   (Currently Amended) A method according to claim 7, wherein the password
comprises a same customer password which is entered to a at a the gateway terminal and to
the multimedia terminal.

10.   (Currently Amended) A method according to claim 1, wherein the first
transmissions is are saved temporarily in a memory of the gateway terminal.

11.   (Original) A method according to claim 1, wherein the second transmission is
transmitted at a frequency allocated to free use.

12.   (Currently Amended) A method according to claim 11, wherein the frequency
allocated to free use is an Industrial-Scientific-Medical (ISM) frequency.

13.   (Currently Amended) A method according to claim 1, wherein at least one of the
first transmissions, which is addressed to a certain multimedia terminal, which
accordingly receives the second transmission, is scrambled at the gateway terminal.

14.   (Currently Amended) A method according to claim 13, wherein the at least one
of the first transmissions which is scrambled at the gateway terminal can be opened as a
pay service at the certain multimedia terminal.

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15.   (Original) A method according to claim 1, wherein the modulation used in the second transmission is one of OFDM, QAM, 8-VSB, QPSK.

16.   (Currently Amended) A method according to claim 1, ~~wherein the~~ further comprising receiving from the ~~at least one multimedia~~ terminal ~~makes~~ a request for a given first transmission ~~by means of~~ over a separate wireless link.

17.   (Currently Amended) A method according to claim 1, ~~wherein~~ further comprising receiving from the ~~at least one multimedia~~ terminal ~~makes~~ a request for a data stream, which is transmitted via the wireless digitally modulated local broadband second transmission ~~by means of~~ over a same wireless link over which the second transmission is transmitted.

18.   (Currently Amended) An apparatus ~~gateway terminal~~ comprising:

    a processor; and

    a memory configured to store computer readable instructions that, when executed by the processor, cause the apparatus to:

       ~~means for receiving~~ receive first transmissions from a digital broadcast network,

       ~~means for~~ processing the first transmissions resulting in a wireless digitally modulated local broadband second transmission, including de-multiplexing a data stream of each of the first transmissions, and re-multiplexing at least a part of the data stream of the first transmissions with data stored at the apparatus,

       ~~means for~~ re-transmitting the received first transmissions as the wireless digitally modulated local broadband second transmission, ~~including a broadband part for transmitting the second transmission by a broadband digital transmission at a frequency allocated to free use~~ to a terminal.

19.   (Canceled).

20.   (Currently Amended) An ~~gateway terminal~~apparatus according to claim 18, wherein the computer readable instructions~~gateway terminal~~ further comprises ~~means~~at least one instruction that when executed by the processor causes the apparatus to ~~for saving~~save the first transmissions temporarily at the ~~gateway~~apparatus.

21.   (Currently Amended) An ~~gateway terminal~~apparatus according to claim 18, wherein the computer readable instructions that, when executed by the processor, cause the apparatus to re-transmit the received first transmissions as the wireless digitally modulated local broadband second transmission are configured such that the re-transmission takes place at a frequency allocated to free use, and wherein the frequency allocated to free use comprises a frequency allocated to an Industrial-Scientific-Medical (ISM) use.

22.   (Currently Amended) An ~~gateway terminal~~apparatus according to claim 18, wherein the computer readable instructions further ~~comprising~~comprise ~~means~~at least one instruction ~~for~~that when executed by the processor causes the apparatus to ~~descrambling~~descramble the first transmissions~~, if necessary~~.

23. .   (Currently Amended) An ~~gateway terminal~~apparatus according to claim 18, wherein the ~~means for~~apparatus further comprises a receiver configured to ~~receiving~~receive the first transmissions, a demodulator configured to demodulate the received first transmissions, ~~comprises a receiver and demodulator block~~ and~~, after that,~~ a descrambler configured to ~~descrambling~~descramble ~~block 24~~the demodulated first transmissions.

24.   (Currently Amended) An ~~gateway terminal~~apparatus according to claim 18, wherein the ~~gateway terminal~~apparatus further comprises a MPEG-2 analog-to-digital converter ~~for receiving~~configured to receive locally available first transmissions.

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25.   (Currently Amended) An ~~gateway terminal~~apparatus according to claim ~~23~~18,
wherein the ~~broadband part in the gateway terminal comprises~~apparatus further
comprises:

        a multiplexer ~~block arranged~~configured ~~so that a generally available~~to receive a
descrambled first transmission ~~is fed into it~~ from a ~~the descrambling block~~descrambler
and a locally available first transmission ~~is fed into it~~ from a MPEG-2 analog-to-digital
converter, wherein the multiplexer is configured to generate a multiplexed data stream
from the descrambled first transmission from the descrambler and the locally available
first transmission,

        a ~~scrambling block after the multiplexer block~~scrambler configured to scramble
the multiplexed data stream,

        a modulator ~~after the scrambling block in order~~configured to receive the
scrambled data stream and produce ~~the~~a desired ~~modulation~~modulated signal,

        a mixer and a local oscillator in connection therewith ~~in order~~configured to
convert the modulated signal into a desired Industrial-Scientific-Medical (ISM)
frequency, and

        an amplifier ~~after the mixer in order to~~configured to amplify the ISM frequency
signal as the second transmission to be transmitted~~,~~

~~   an antenna in order to transmit the amplified second transmission, and~~

~~   a central processing unit in order to control the operation of the gateway terminal.~~

26.   (Currently Amended) An ~~gateway terminal~~apparatus according to claim 25,
wherein the modulator ~~used~~is one of a OFDM modulator, a QAM modulator, a 8-VSB
modulator, a QPSK modulator.

27.   (Currently Amended) An ~~gateway terminal~~apparatus according to claim ~~19~~18,
wherein the ~~interactive part in the gateway terminal~~ computer readable instructions
further include at least one instruction that, when executed by the processor, causes the
apparatus to ~~comprises~~:

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~~means for connecting the gateway terminal~~ to an external communications net[-]work,

~~means for connecting the gateway terminal~~ to a local signal source, and

~~means for establishing~~ a wireless link between the ~~gateway terminal~~apparatus and ~~at least one~~the ~~multimedia~~ terminal ~~and~~

~~a central processing unit shared with the broadband part in order to control the operation of the interactive part.~~

28.   (Currently Amended)   An ~~gateway terminal~~apparatus according to claim 27, wherein the wireless link between the ~~gateway terminal~~apparatus and the ~~at least one~~ ~~multimedia~~ terminal is realized using technology complying with one of the following systems: GSM, GPRS, DECT, UMTS, WLAN, HomeRF, Bluetooth.

29.   (Currently Amended)   An ~~multimedia terminal~~ apparatus comprising:

~~a receiving antenna for receiving a wireless digitally modulated broadband second transmission resulting from the first transmission,~~

~~wherein the receiving antenna is arranged so as to function at a frequency allocated to free use, and wherein the second transmission is formed from a de-multiplexed version of the data stream of each of the first transmissions,~~

a receiver ~~block for~~configured to ~~receiving~~receive ~~the~~a wireless digitally modulated broadband second transmission resulting from a first transmission at a frequency allocated to free use~~second transmission~~,

a demodulator ~~block for~~configured to ~~demodulating~~demodulate the received second transmission,

a demultiplexer ~~for~~configured to ~~separating~~demultiplex the received second transmission ~~into data of their own~~, and

a ~~descrambling block~~descrambler ~~for~~configured to ~~descrambling~~descramble the data~~, if~~ when the data is scrambled.

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wherein a portion of a de-multiplexed version of the first transmission is re-multiplexed with data not included in the first transmission to form the wireless digitally modulated broadband second transmission.

30. (Currently Amended) An ~~multimedia terminal~~ apparatus according to claim 29, wherein the frequency allocated to free use is a frequency allocated to Industrial-Scientific-Medical (ISM) use.

31. (Currently Amended) An ~~multimedia terminal~~ apparatus according to claim 29, ~~wherein the apparatus further comprising a wireless-communications-capable unit with an antenna and a central processing unit controlling the operation of the multimedia terminal in order~~ is configured to provide a wireless link between the~~the~~ a gateway ~~terminal~~ and the ~~multimedia terminal~~ apparatus.

32. (Currently Amended) An ~~multimedia terminal~~ apparatus according to claim 31, wherein the wireless link between the gateway ~~terminal~~ and the ~~multimedia terminal~~ apparatus is arranged so as to be realized using technology complying with one of the following systems: GSM, GPRS, DECT, UMTS, IEEE 802.11, Bluetooth, HomeRF.

33. (Currently Amended) An ~~multimedia terminal~~ apparatus according to claim 31, wherein the ~~wireless-communications-capable unit~~ apparatus is ~~further comprises means for~~ configured to requesting ~~at least one of~~ the first transmission~~s~~, which is transmitted via the wireless digitally modulated second transmission, via the wireless link.

34. (Canceled).

35. (Canceled).

36.   (Currently Amended) A ~~broadcast network arrangement~~method according to claim ~~34~~1, wherein the ~~broadcast network arrangement~~method further ~~comprises means for~~comprises establishing a two-way wireless link.

37.   (Currently Amended) An ~~broadcast network arrangement~~apparatus according to claim ~~36~~18, wherein the computer readable instructions further include instructions that, when executed by the processor, cause the apparatus to:

establish a communications connection ~~is arranged to an individual multimedia~~between the apparatus and a terminal via ~~the~~a wireless link, and

receive a request via the communications connection from the terminal for at least one of the first transmissions,

wherein ~~the wireless digitally modulated local broadband second transmission through which connection the terminal is able to control the gateway terminal so as to~~ includes ~~in its second transmission one of~~the at least one of the first transmissions requested by the ~~multimedia~~terminal.

38.   (Currently Amended) An ~~broadcast network arrangement~~apparatus according to claim ~~36~~31, wherein ~~a gateway terminal is through the wireless link arranged so as to force the multimedia terminal~~the apparatus is configured to receive a directive via the wireless link, said directive directing the apparatus to function as an alarm/display device.

39.   (Currently Amended) A ~~broadcast network arrangement~~method according to claim ~~34~~1, wherein the second transmission transmitted by ~~a~~the gateway terminal comprises at least one of the following: video image, sound, data, ~~system~~control information.

40.   (Canceled).